

(R)-pantolactone dehydrogenase (flavin)

Cat. No. EXWM-0455

Lot. No. (See product label)

Introduction

Description

High specificity for (R)-pantolactone. Phenazine methosulfate (PMS) can act as acceptor. The enzyme has been studied in the bacterium *Nocardia asteroides* and shown to be membrane-bound and induced by 1,2-propanediol. The FMN cofactor is non-covalently bound.

Synonyms

2-dehydropantolactone reductase (flavin); 2-dehydropantoyl-lactone reductase (flavin); (R)-pantoyllactone dehydrogenase (flavin)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.99.27

CAS No.

140879-14-7

Reaction

(R)-pantolactone + acceptor = 2-dehydropantolactone + reduced acceptor

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.